

City of Phoenix 64th Street Reservoir Facility 14-DR-2006

Description of Site and Project

The property is owned by the City of Phoenix, Water Services Department. There are 4 water storage reservoirs, a booster pump station and a disinfection facility on the site. The site is bounded by 62nd Street to the west, 64th Street to the east, Thomas Road to the north and residential lots to the south. The site currently has a concrete wall to the east (64th St.), 6-ft chain link fences to the north (Thomas Road) and west (62nd St.) and rear lot residential fencing to the south.

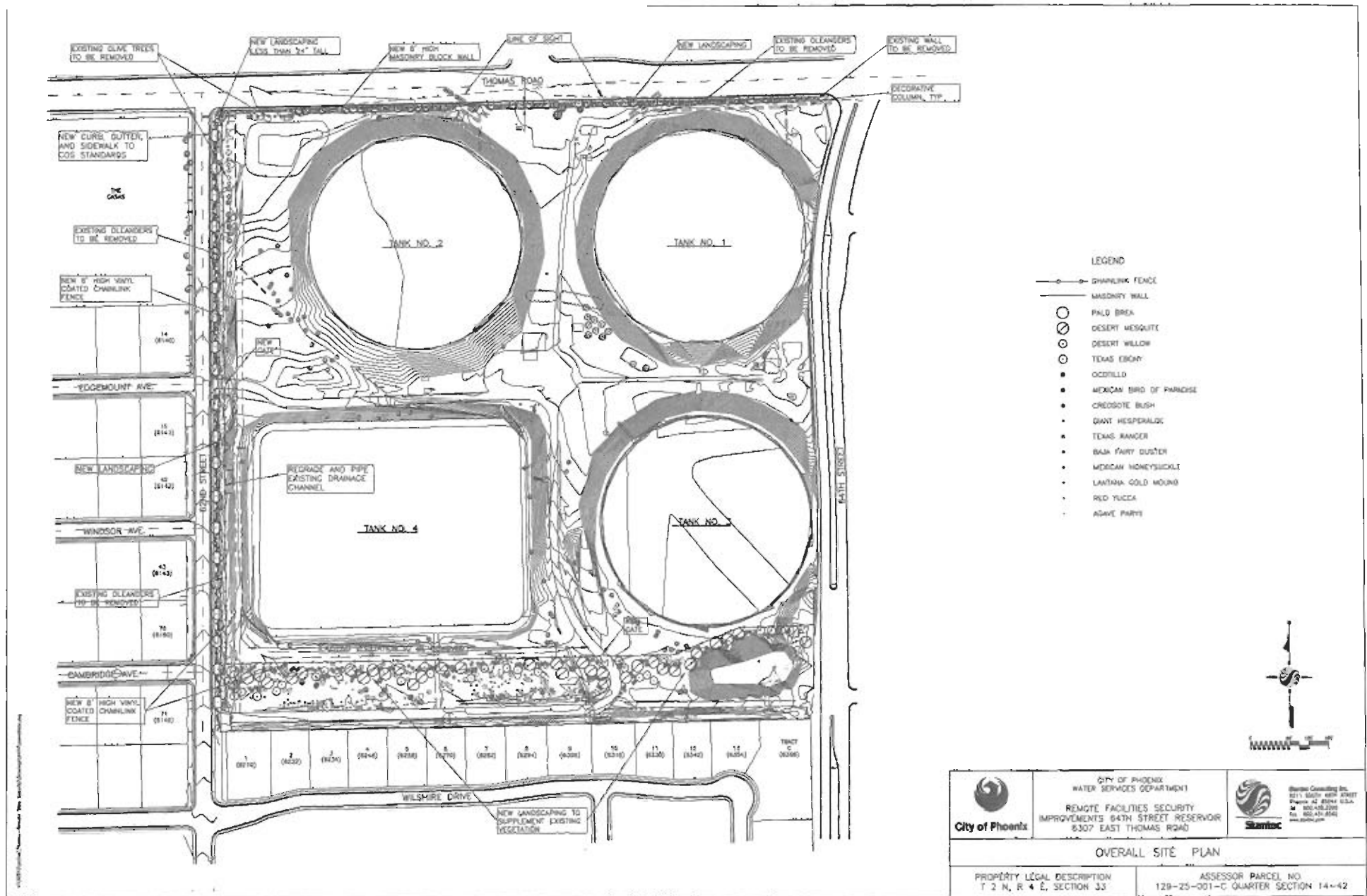
The project consists of upgrading of the existing site security to protect the City of Phoenix's water system. The proposed upgrading includes construction of new perimeter fences and walls and intrusion detection systems. A new 8-ft high masonry block wall will be constructed to the north (Thomas Road) and new 8-ft high vinyl coated chain link fence to the south. Two options, both of which secure the site, are under consideration from 62nd Street, a new 8-ft high vinyl coated fence or a new 8-ft high masonry block wall. No additional visible site lighting is proposed.

The new north wall will be offset 8-ft from the existing property line and sidewalk. New landscaping will be provided between the sidewalk and the new wall. The existing adjacent vegetation will be removed. There are 3 areas where the new wall will be closer than 8-ft in order to contain existing City of Phoenix water features.

The new fence to the south of the property will be located approximately 140-ft north of the property boundary. The fence will be colored to blend with the environment. Desert landscaping will be installed to supplement existing vegetation south of the new fence to screen the fence from the adjacent properties. The existing landscaping between the storage reservoirs and the new fence will be removed to provide line of sight for security.

Two options are under consideration for securing the 62nd Street property line. With both options, the City of Phoenix proposes to finish the east side of 62nd Street to City of Scottsdale standards, including curb, gutter, sidewalk and new landscaping between the existing chain link fence and the sidewalk. This road is currently only finished on the west side. One 20-ft wide access gate will be provided to the site at the existing driveway location and the existing gate at the south of the property will be removed. With the fence

option, the new fence will be located approximately 12-ft inside the property line, behind the existing oleanders. The existing chain link fence and oleanders on 62nd Street will remain in place. With the wall option, the new wall will be constructed along the property line, with insets for variety. The oleanders will be removed with this option.



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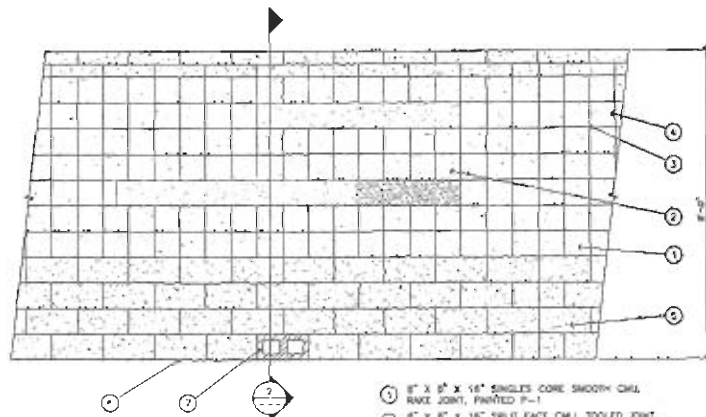


- LEGEND**
- CURB AND SIDEWALK
 - CHAINLINK FENCE
 - MASONRY WALL
 - PALE BIRCH
 - DESERT MESQUITE
 - DESERT WILLOW
 - TEXAS EBONY
 - OGONILLO
 - MEXICAN BIRD OF PARADISE
 - CREOSOTE BUSH
 - GIANT HESPERALOE
 - TEXAS RANGER
 - BLUE FAIRY DUSTER
 - MEXICAN HONEYBUCKLE
 - LANTANA GOLD MOUND
 - RED YUCCA
 - AGAVE FORTIS
 - R1-10 Zoned



<p>City of Phoenix</p>	<p>CITY OF PHOENIX WATER SERVICES DEPARTMENT REMOTE FACILITIES SECURITY IMPROVEMENTS 64TH STREET RESERVOIR 6307 EAST THOMAS ROAD</p>	<p>Startec Consulting Inc. 8211 SOUTH 48TH STREET PHOENIX, AZ 85048 U.S.A. TEL: 602.438.2200 FAX: 602.438.2202 WWW.STARTEC.COM</p>
OVERALL SITE PLAN		
PROPERTY LEGAL DESCRIPTION T 2 N, R 4 E, SECTION 33	ASSESSOR PARCEL NO. 129-25-001-C QUARTER SECTION 14-42	

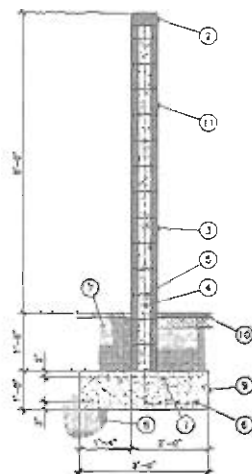
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- 1 8" X 8" X 16" SINGLES CORE SMOOTH CMU, RAVE JOINT, PAINTED P-1
- 2 8" X 8" X 16" SPLIT FACE CMU, TOOLED JOINT, PAINTED P-2
- 3 8" X 4" X 16" SPLIT FACE CMU, TOOLED JOINT, PAINTED P-1
- 4 8" X 16" X 16" SOLID CAP SPLIT FACE CMU, TOOLED JOINT, STAGG BOND, PAINTED P-1
- 5 8" X 8" X 16" SPLIT FACE CMU, TOOLED JOINT, PAINTED P-1
- 6 FINISH GRADE
- 7 SET 8" X 8" X 16" SMOOTH BLOCK ON EDGE EVERY TENTH BLOCK FOR DRAINAGE

8' BLOCK WALL

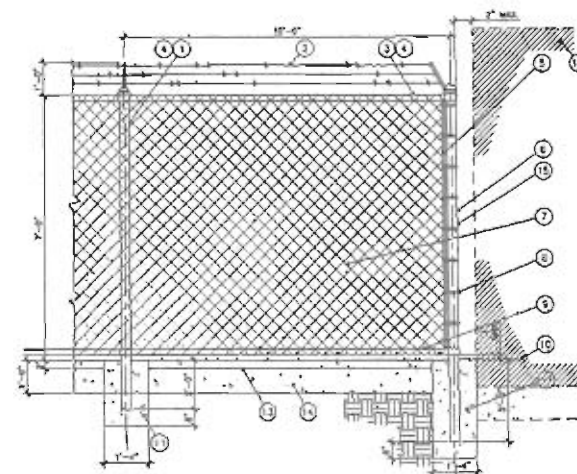
COLOR AND PATTERN TO MATCH 64TH STREET WALL



- 1 #4 REBAR AT 1'-6" O.C.
- 2 4" CMU BOND BEAM CAP W/ 2 - #5 REBAR CONT.
- 3 8" X 8" X 16" CMU BLOCK, REFER TO MATERIAL SCHEDULE, GROUT SOLID ALL CELLS.
- 4 #5 VERTICAL REBAR AT 4'-0" O.C. FULL HEIGHT OF WALL, 1'-4" O.C. LOWER 2'-8" OF WALL, PROVIDE SPECIAL INSPECTION
- 5 #5 REBAR CONTINUOUS BOND BEAM AT 8" O.C.
- 6 3 - #4 REBAR CONTINUOUS
- 7 BACKFILL TO EXIST. GRADE AND GRADE TO MATCH EXISTING.
- 8 BOR COMPACTED SUBGRADE
- 9 CONCRETE FOOTING
- 10 MATCH EXISTING SURFACING IN KIND, 3" AC OVER 4" ABC MIN. OR S.O.L. TYPICAL BOTH SIDES.
- 11 3 GAGE 2 WIRE JOINT REIN. 1'-4" O.C.

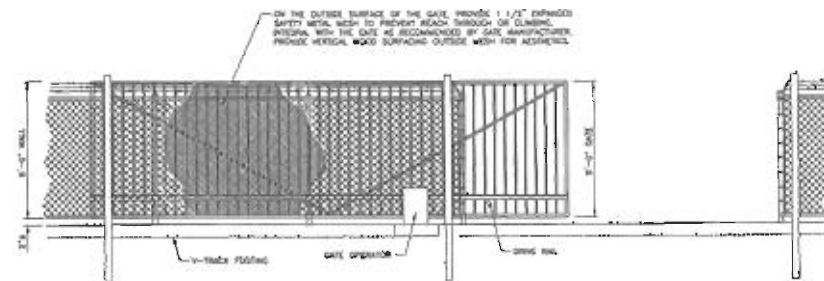
NOTE: 9 GA. JOINT REINFORCING AT 1'-4" O.C.

8' BLOCK WALL SECTION



8' CHAINLINK FENCE

- 1 LINE POST, 2" O.D. TUBE, PAINTED
- 2 4 POINT BARBED WIRE, 3 STRANDED
- 3 TOP RAIL, SCH. 40, 1 1/4" O.D. TUBE, PAINTED
- 4 TIES @ 24" MAX SPACING
- 5 1/4" X 3/4" PLAT STRETCHER BAR, PAINTED
- 6 8' END CORNER POST, 3" O.D. TUBE, PAINTED
- 7 FABRIC 11 GA. CHAIN LINK, 1 1/4" MESH, REFER TO MATERIAL SCHEDULE
- 8 RING BANDS 12" O.C. FOR STRETCHER BAR
- 9 BOTTOM RAIL, 1 1/4" O.D. TUBE, PAINTED
- 10 FINISH GRADE
- 11 CONCRETE FOOTING
- 12 NOT USED
- 13 8' BLOCK MESH, TAMP INTO CONCRETE BEFORE FINAL FLOAT
- 14 6" W X 12" DEEP BARRIER FOOTING (1 SACK GROUT PER MAG STD SPEC. TABS)
- 15 ADJACENT WALL WHERE OCCURS



POST MOUNTED PINCH ROLLER SLIDE GATE

<p>City of Phoenix</p>	<p>CITY OF PHOENIX WATER SERVICES DEPARTMENT REMOTE FACILITIES SECURITY IMPROVEMENTS 64TH STREET RESERVOIR 8307 EAST THOMAS ROAD</p>	<p>Stanlec Consulting Inc. 8111 SOUTH 48TH STREET PHOENIX, AZ 85044-0344 M. 602.428.1200 F. 602.428.1500 www.stanlec.com</p>
<p>ELEVATIONS AND SECTION DETAILS</p>		
<p>PROPERTY LEGAL DESCRIPTION T 2 N, R 4 E, SECTION 33</p>	<p>ASSESSOR PARCEL NO. 128-25-001-C QUARTER SECTION 14-42</p>	

Fence, wall, gate details

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8' HIGH WALL
62ND STREET ELEVATION

10.0' MIN

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Elevation 62nd St Wall